

POTOMAC RIVER BASIN

01660500 BEAVERDAM RUN NEAR GARRISONVILLE, VA

LOCATION.--Lat. $38^{\circ}30'25''$, long $77^{\circ}25'46''$, Stafford County, Hydrologic unit 02070011, on left bank 3.4 miles upstream from mouth and 2.2 miles north of Garrisonville.

DRAINAGE AREA.--12.7 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1951 to June 1957, and March 1997 to current year.

GAGE.--Water stage recorder. Datum of gage is 150.43 ft above sea level. May 1951 to June 1957, at site 500 ft. upstream at same datum.

REMARKS.--Records fair. Flow regulated by Lunga Reservoir 2.5 mi upstream, capacity 420 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 276 ft³/s Feb. 5, gage height 2.74 ft; minimum 0.74 ft³/s, Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	13	7.2	7.0	47	30	18	17	8.2	12	7.3	7.2
2	1.7	9.0	7.4	7.2	36	28	17	31	8.3	9.8	7.2	7.4
3	2.3	7.7	7.6	7.2	30	39	15	42	8.3	8.6	7.2	7.4
4	2.8	7.6	8.2	7.5	97	35	26	46	8.3	8.5	7.1	7.3
5	2.8	7.3	8.4	7.2	250	30	28	41	8.5	8.8	7.1	7.3
6	3.2	e6.0	8.4	7.2	173	26	23	40	8.5	8.6	7.0	7.6
7	3.1	e29	8.5	7.4	117	23	20	34	8.7	8.5	7.0	7.5
8	3.5	18	6.7	7.8	82	34	18	49	8.1	9.1	7.2	7.8
9	3.3	13	7.1	7.6	58	74	42	53	8.2	8.8	7.2	7.6
10	3.0	11	7.7	7.2	44	68	64	43	13	8.4	7.3	7.7
11	3.2	10	7.2	7.3	36	50	51	36	9.5	8.5	7.4	7.4
12	3.6	10	7.0	7.2	36	38	39	43	10	8.5	7.3	6.1
13	3.6	10	6.9	7.1	30	30	31	45	11	8.3	7.0	5.9
14	3.2	13	6.8	7.2	25	27	26	38	9.8	8.3	7.1	5.8
15	3.2	11	6.6	10	21	23	24	31	11	8.3	7.1	5.8
16	4.0	10	6.8	13	19	19	21	24	19	8.3	7.1	5.7
17	5.6	9.6	7.5	8.9	55	18	29	20	25	8.5	8.1	5.5
18	13	9.3	e6.8	8.5	146	28	28	16	20	8.7	8.3	5.7
19	3.6	8.7	5.9	8.5	108	71	26	14	16	8.7	7.7	5.9
20	3.1	8.8	6.1	7.8	76	75	33	12	15	8.3	7.7	5.9
21	2.9	9.6	6.1	7.4	58	177	28	10	11	7.9	7.8	5.7
22	3.1	12	6.5	e7.0	43	131	24	9.5	9.6	8.2	7.6	6.0
23	3.1	9.6	6.9	e25	57	91	21	8.3	10	8.3	7.4	5.7
24	3.7	8.4	6.9	20	110	65	19	8.4	45	8.1	7.2	5.7
25	7.9	8.4	12	23	86	48	17	12	38	8.0	7.1	5.9
26	7.8	8.8	8.6	23	60	38	15	11	27	7.8	7.2	5.9
27	7.5	8.3	8.8	24	46	31	15	9.0	20	7.6	7.1	6.0
28	6.0	8.6	8.9	127	37	28	12	5.6	17	8.5	7.0	5.5
29	7.3	8.5	8.0	144	---	24	11	7.0	16	8.1	7.2	5.5
30	6.9	8.6	8.3	98	---	21	10	9.3	13	7.7	7.4	5.7
31	7.2	---	7.9	67	---	19	---	8.6	---	8.2	7.4	---
TOTAL	137.0	312.8	233.7	724.2	1983	1439	751	773.7	441.0	263.9	226.8	192.1
MEAN	4.42	10.4	7.54	23.4	70.8	46.4	25.0	25.0	14.7	8.51	7.32	6.40
MAX	13	29	12	144	250	177	64	53	45	12	8.3	7.8
MIN	1.7	6.0	5.9	7.0	19	18	10	5.6	8.1	7.6	7.0	5.5
CFSM	.35	.82	.59	1.84	5.58	3.66	1.97	1.97	1.16	.67	.58	.50
IN.	.40	.92	.68	2.12	5.81	4.22	2.20	2.27	1.29	.77	.66	.56

e Estimated.

POTOMAC RIVER BASIN

01660500 BEAVERDAM RUN NEAR GARRISONVILLE, VA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951*, 1952 - 1956, 1957*, BY WATER YEAR (WY)
[UNREGULATED]

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2.95	9.63	10.2	13.4	14.5	21.8	20.3	9.45	7.61	3.18	11.9	2.02
MAX	6.79	27.1	19.3	25.0	25.5	37.0	42.2	19.5	18.6	7.16	64.0	5.88
(WY)	1957	1953	1952	1953	1957	1953	1952	1953	1951	1952	1955	1952
MIN	.33	.64	4.68	3.42	5.17	16.0	9.87	3.50	1.58	.20	.088	.040
(WY)	1955	1955	1955	1955	1954	1954	1955	1957	1954	1954	1954	1954

SUMMARY STATISTICS

WATER YEARS 1951* - 1957*

ANNUAL TOTAL												
ANNUAL MEAN												
HIGHEST ANNUAL MEAN												
LOWEST ANNUAL MEAN												
HIGHEST DAILY MEAN												
LOWEST DAILY MEAN												
ANNUAL SEVEN-DAY MINIMUM												
INSTANTANEOUS PEAK FLOW												
INSTANTANEOUS PEAK STAGE												
INSTANTANEOUS LOW FLOW												
ANNUAL RUNOFF (CFSM)												
ANNUAL RUNOFF (INCHES)												
10 PERCENT EXCEEDS												
50 PERCENT EXCEEDS												
90 PERCENT EXCEEDS												

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997* - 1998, BY WATER YEAR (WY) [REGULATED, UNADJUSTED]

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.42	10.4	7.54	23.4	70.8	46.4	20.9	17.8	11.0	6.91	4.64	4.23
MAX	4.42	10.4	7.54	23.4	70.8	46.4	25.0	25.0	14.7	8.51	7.32	6.40
(WY)	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998	1998
MIN	4.42	10.4	7.54	23.4	70.8	46.4	16.8	10.6	7.35	5.30	1.97	2.05
(WY)	1998	1998	1998	1998	1998	1998	1997	1997	1997	1997	1997	1997

SUMMARY STATISTICS

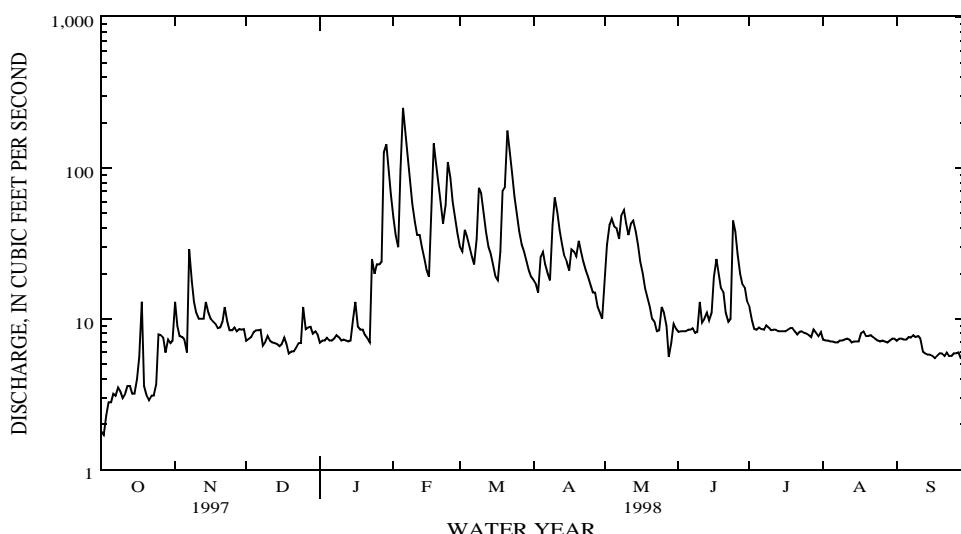
FOR 1998 WATER YEAR

WATER YEARS 1997* - 1998

ANNUAL TOTAL					7478.2							
ANNUAL MEAN					20.5							
HIGHEST ANNUAL MEAN											20.5	1998
LOWEST ANNUAL MEAN											20.5	1998
HIGHEST DAILY MEAN					250	Feb 5					250	Feb 5 1998
LOWEST DAILY MEAN					1.7	Oct 2					1.4	Aug 18 1997
ANNUAL SEVEN-DAY MINIMUM					2.5	Oct 1					1.7	Aug 13 1997
INSTANTANEOUS PEAK FLOW					276	Feb 5					276	Feb 5 1998
INSTANTANEOUS PEAK STAGE					2.74	Feb 5					2.74	Feb 5 1998
INSTANTANEOUS LOW FLOW					.74	Oct 1					.74	Oct 1 1997
ANNUAL RUNOFF (CFSM)					1.61						1.61	
ANNUAL RUNOFF (INCHES)					21.90						21.92	
10 PERCENT EXCEEDS					45						38	
50 PERCENT EXCEEDS					8.6						8.3	
90 PERCENT EXCEEDS					5.9						2.1	

* Partial water year, March to September 1997.

a Many days in 1954 and 1955.



POTOMAC RIVER BASIN

01660500 BEAVERDAM RUN NEAR GARRISONVILLE, VA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1997 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS-	PH	BARO-		OXYGEN,	COLI-	E. COLI			
		CHARGE, INST. CUBIC FEET	SPE- CIFIC CON- DUCT-	WATER WHOLE FIELD	TEMPER- ATURE (STAND- ARD)	TEMPER- ATURE AIR (DEG C)	TEMPER- ATURE WATER (DEG C)	SURE (MM) OF HG)	SOLVED (MG/L) DIS-	FORM, FECAL, UM-MF	WATER WHOLE UREASE
		(00061)	(00095)	(00400)	(00020)	(00010)	(00025)	(00300)	(00301)	(31625)	(31633)
OCT 1997											
15...	0840	2.9	38	6.7	11.5	15.9	770	6.6	66	190	170
NOV											
25...	0900	8.3	38	6.7	.5	3.8	755	11.7	90	K23	K28
JAN 1998											
08...	0844	7.6	42	6.9	18.5	11.1	747	10.6	99	67	70
27...	0830	21	38	6.6	3.5	3.8	742	12.5	97	K16	K4
30...	0845	103	35	6.8	6.5	6.0	757	12.5	101	--	--
*30...	0846	103	35	6.8	6.5	6.0	757	12.5	101	--	--
FEB											
04...	1145	80	35	6.6	3.0	4.6	749	12.8	101	--	--
24...	0900	117	29	6.4	4.0	6.6	752	12.2	101	67	K40
MAR											
18...	0900	30	33	7.0	5.0	6.5	745	12.8	106	77	K34
APR											
21...	0840	29	29	6.9	17.5	14.0	750	10.2	101	K31	80
MAY											
12...	0900	42	30	6.6	15.5	16.7	730	9.1	98	120	120
JUN											
17...	0835	25	31	6.5	27.5	20.6	760	7.5	84	140	160
JUL											
21...	0845	7.6	33	6.7	24.5	22.9	754	7.4	87	96	67
AUG											
12...	0830	7.0	33	6.4	25.0	23.8	752	5.9	71	56	65
SEP											
15...	0915	5.7	34	6.6	24.3	22.6	754	6.1	72	260	320

DATE	NITRO-	NITRO-	NITRO-	NITRO-	NITRO-	PHOS-					
	GEN	GEN,	GEN,	GEN, AM-	GEN, AM-	PHORUS					
	NITRO-	NITRITE	NO2+NO3	AMMONIA	MONIA +	PHORUS					
	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)					
	AS N)	AS N)	AS N)	AS N)	AS N)	AS P)					
	(00602)	(00613)	(00631)	(00608)	(00625)	(00623)					
OCT 1997											
15...	--	<.010	<.050	<.015	.31	<.20	<.010	<.010	<.010		
NOV											
25...	--	<.010	<.050	<.020	.24	.18	<.010	<.010	<.010	.022	
JAN 1998											
08...	--	<.010	<.050	<.020	.28	.22	.012	<.010	<.010	.018	
27...	.29	<.010	.074	.068	.24	.22	<.010	<.010	<.010	.012	
30...	.31	<.010	.062	.078	.36	.25	<.010	<.010	<.010	.012	
30...	.34	<.010	.059	.067	.29	.28	<.010	<.010	<.010	.014	
FEB											
04...	.32	<.010	.114	<.020	.37	.21	.038	<.010	<.010	.013	
24...	.28	<.010	.066	.050	.31	.22	<.010	<.010	<.010	<.010	
MAR											
18...	--	<.010	<.050	.039	.27	.17	.012	<.010	<.010	<.010	
APR											
21...	.24	<.010	.077	.034	.23	.16	<.010	<.010	<.010	.010	
MAY											
12...	--	<.010	<.050	.030	.31	.17	<.010	<.010	<.010	<.010	
JUN											
17...	--	<.010	<.050	.041	.33	.16	<.010	<.010	<.010	.015	
JUL											
21...	.33	<.010	.069	.048	.31	.26	<.010	<.010	<.010	.015	
AUG											
12...	.33	<.010	.078	.061	.35	.25	<.010	<.010	<.010	<.010	
SEP											
15...	--	.013	<.050	.040	.36	.23	.719	<.010	<.010	<.010	

* Replicate sample.

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptance range (non-ideal colony count).

POTOMAC RIVER BASIN

01660500 BEAVERDAM RUN NEAR GARRISONVILLE, VA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	GAGE (FEET) (00065)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 1997			
01...	1200	.78	19
02...	1200	.75	21
03...	1200	.77	14
04...	1200	.80	13
05...	1200	.78	20
06...	1200	.78	24
07...	1200	.78	18
08...	1200	.77	18
09...	1200	.76	19
10...	1200	.77	24
11...	1200	.77	19
12...	1200	.77	29
13...	1200	.76	17
14...	1200	.77	21
15...	0835	.75	6
15...	0836	.75	3
15...	1200	.76	10
16...	1200	.78	24
17...	1200	.75	14
18...	0115	1.02	155
18...	0215	1.07	69
18...	0315	1.11	116
18...	0415	1.08	57
18...	0515	1.05	34
18...	0615	1.00	28
18...	1200	.85	172
19...	1200	.77	40
20...	1200	.75	24
21...	1200	.76	25
22...	1200	.76	17
23...	1200	.76	24
24...	1200	.75	22
25...	1200	.82	20
26...	1200	.81	30
27...	1200	.81	29
28...	1200	.75	11
29...	1200	.78	1
30...	1200	.78	11
31...	1200	.78	10
NOV 1997			
01...	1200	.91	30
02...	1200	.80	41
03...	1200	.79	4
04...	1200	.77	13
05...	1200	.77	13
06...	1000	.77	38
07...	1115	1.07	50
07...	1200	1.07	114
07...	1300	1.13	54
07...	1400	1.24	156
07...	1500	1.47	576
07...	1600	1.40	214
07...	1800	1.23	78
07...	2000	1.07	65
07...	2200	1.00	58
08...	1200	.91	113
09...	1200	.85	39
10...	1200	.80	14
11...	1200	.80	9
12...	1200	.79	42
13...	1200	.78	30
14...	1200	.84	25
15...	1200	.79	15
16...	1200	.80	18
18...	1200	.80	17
19...	1200	.81	39
20...	1200	.79	11
21...	1200	.78	14
22...	1200	.84	18
23...	1200	.80	14
24...	1200	.79	13

POTOMAC RIVER BASIN

01660500 BEAVERDAM RUN NEAR GARRISONVILLE, VA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	GAGE (FEET) (00065)	SEDIMENT, SUSPENDED (MG/L) (80154)
NOV 1997			
25...	0905	.82	2
25...	0906	.82	2
25...	0907	.82	2
25...	1200	.80	101
26...	1200	.79	34
27...	1200	.80	24
28...	1200	.80	24
29...	1200	.79	28
30...	1200	.80	27
DEC 1997			
01...	1200	.78	19
02...	1200	.79	24
04...	1200	.80	16
05...	1200	.83	20
06...	1200	.80	19
07...	1200	.89	98
08...	1200	.77	31
09...	1200	.78	14
10...	1200	.78	13
11...	1200	.80	16
12...	1200	.81	14
16...	1200	.79	17
17...	1200	.79	17
20...	1200	.76	11
21...	1200	.77	12
22...	1200	.76	14
23...	1200	.77	8
24...	1200	.77	13
25...	1200	.85	22
26...	1200	.81	24
27...	1200	.79	19
30...	1200	.78	9
JAN 1998			
02...	1200	.78	10
03...	1200	.77	14
04...	1200	.79	9
05...	1200	.79	14
06...	1200	.77	13
07...	1200	.80	17
08...	0843	.83	7
08...	0844	.83	2
08...	0845	.83	11
08...	1200	.80	11
09...	1200	.77	30
10...	1200	.77	21
11...	1200	.79	21
12...	1200	.78	19
13...	1200	.79	20
14...	1200	.77	27
16...	1200	.84	70
17...	1200	.79	39
18...	1200	.80	23
19...	1200	.80	25
20...	1200	.78	15
22...	1200	.77	351
23...	0930	.97	334
23...	1015	1.03	70
23...	1115	1.21	159
23...	1200	1.40	84
23...	1215	1.45	335
23...	1315	1.53	244
23...	1415	1.50	165
23...	1515	1.41	105
23...	1615	1.32	42
23...	1715	1.26	30
23...	1815	1.21	31
23...	1915	1.16	18
23...	2015	1.11	11
23...	2115	1.07	15

POTOMAC RIVER BASIN

01660500 BEAVERDAM RUN NEAR GARRISONVILLE, VA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	GAGE (FEET) (00065)	HEIGHT (00065)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
JAN 1998				
24...	0015	1.00	164	
24...	0315	.96	309	
24...	1200	.90	40	
25...	0445	.96	331	
25...	0715	.96	345	
26...	1200	.96	17	
27...	0843	1.00	2	
27...	0845	1.00	4	
27...	0847	1.00	2	
27...	1200	.95	318	
28...	1100	1.84	378	
28...	1200	1.95	64	
28...	1201	1.95	465	
28...	1300	2.01	316	
28...	1400	2.07	224	
28...	1500	2.19	172	
28...	1600	2.29	154	
28...	1700	2.19	132	
28...	1800	2.13	41	
28...	1900	2.10	79	
28...	2000	2.09	57	
28...	2100	2.09	48	
28...	2200	2.08	120	
29...	0100	2.06	97	
29...	0500	2.05	69	
29...	0900	1.97	49	
29...	1200	1.93	16	
30...	0825	1.70	11	
30...	0830	1.70	10	
30...	0853	1.69	7	
30...	0930	1.63	15	
30...	1200	1.61	10	
30...	1430	1.58	16	
30...	1900	1.52	13	
31...	0030	1.46	12	
31...	0630	1.40	9	
31...	1200	1.37	8	
FEB 1998				
01...	1200	1.20	59	
02...	1200	1.09	30	
03...	0930	1.03	27	
03...	1200	1.03	49	
03...	1530	1.05	12	
04...	0030	1.01	15	
04...	0530	1.14	19	
04...	0630	1.16	22	
04...	0730	1.21	19	
04...	0830	1.27	25	
04...	1200	1.49	170	
04...	1230	1.55	57	
04...	1330	1.70	97	
04...	1355	1.75	78	
04...	1400	1.75	51	
04...	1410	1.80	78	
04...	1430	1.83	82	
04...	1530	1.89	82	
04...	1630	1.94	73	
04...	1830	1.99	73	
04...	2030	2.00	57	
04...	2330	2.27	47	
05...	0030	2.41	117	
05...	0230	2.50	219	
05...	0530	2.60	246	
05...	0930	2.70	193	
05...	1000	2.70	197	
05...	1005	2.70	205	
05...	1010	2.70	207	
05...	1030	2.69	191	
05...	1200	2.69	52	
05...	1530	2.58	114	

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	GAGE (FEET) (00065)	SEDIMENT, SUSPENDED (MG/L) (80154)
FEB 1998			
05...	1930	2.48	100
05...	2330	2.38	82
06...	0330	2.28	61
06...	0630	2.20	54
06...	0930	2.11	48
06...	1200	2.09	26
06...	1500	2.03	29
06...	2200	1.93	20
07...	0500	1.84	24
07...	1200	1.74	38
07...	1400	1.71	12
08...	1200	1.48	46
10...	1200	1.16	34
11...	1200	1.09	63
12...	1200	1.09	70
13...	1200	1.04	58
14...	1200	.99	50
15...	1200	.95	44
17...	1200	1.22	77
17...	1630	1.46	52
17...	1830	1.50	37
17...	2130	1.54	23
17...	2230	1.81	45
17...	2330	1.97	309
18...	0030	1.92	161
18...	0230	1.94	64
18...	0430	1.98	56
18...	0530	2.00	47
18...	0630	1.98	41
18...	0901	1.97	32
18...	0905	1.97	66
18...	0908	1.97	37
18...	0930	1.98	29
18...	1130	1.97	19
18...	1200	1.96	29
18...	1530	1.92	18
18...	1930	1.89	34
18...	2330	1.83	12
19...	0330	1.79	11
19...	0830	1.71	8
19...	1200	1.68	11
20...	1200	1.44	7
21...	1200	1.30	12
22...	1200	1.17	12
23...	1200	1.17	22
23...	1730	1.46	37
23...	1830	1.52	33
23...	2030	1.55	27
24...	0030	1.60	16
24...	0330	1.69	18
24...	0630	1.73	17
24...	0830	1.75	17
24...	0835	1.79	12
24...	0837	1.79	21
24...	0845	1.79	15
24...	1130	1.72	12
24...	1200	1.73	16
24...	1530	1.71	9
24...	1630	1.69	9
25...	1200	1.55	10
26...	1200	1.32	9
27...	1200	1.19	9
28...	1200	1.12	19
MAR 1998			
01...	1200	1.05	21
02...	1200	1.00	20
03...	1200	1.14	20
04...	1200	1.08	19
05...	1200	1.04	7
06...	1200	.99	16
07...	1200	.96	24

POTOMAC RIVER BASIN

01660500 BEAVERDAM RUN NEAR GARRISONVILLE, VA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	GAGE (FEET) (00065)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
MAR 1998			
08...	1200	1.07	23
09...	0615	1.46	54
09...	0815	1.51	39
09...	1030	1.46	27
09...	1035	1.46	20
09...	1040	1.46	17
09...	1200	1.46	21
09...	1215	1.46	37
09...	2115	1.46	10
10...	1200	1.39	12
11...	1200	1.24	26
12...	1200	1.13	9
12...	1730	1.11	9
13...	0230	1.06	4
13...	1200	1.03	20
14...	1200	1.01	25
15...	1200	.98	14
16...	1200	.92	20
17...	1200	.90	15
18...	0815	1.04	8
18...	0830	1.04	9
18...	0845	1.04	10
18...	1200	1.03	19
19...	1200	1.44	21
20...	1200	1.38	17
20...	1945	1.46	23
20...	2045	1.47	20
20...	2145	1.49	15
20...	2245	1.57	23
20...	2345	1.83	121
21...	0045	2.37	406
21...	0126	2.48	363
21...	0226	2.29	206
21...	0326	2.13	102
21...	0426	2.13	60
21...	0526	2.11	41
21...	0626	2.13	46
21...	0726	2.15	30
21...	0826	2.13	45
21...	0926	2.14	44
21...	1200	2.13	40
21...	1226	2.12	41
21...	1526	2.09	36
21...	1826	2.05	31
22...	1200	1.83	20
23...	1200	1.54	13
24...	1200	1.33	12
25...	1200	1.19	11
26...	1200	1.10	26
27...	1200	1.05	33
28...	1200	1.02	28
29...	1200	.97	22
30...	1200	.94	32
31...	1200	.93	40
APR 1998			
01...	1200	.92	16
02...	1200	.90	31
03...	1200	.88	24
04...	1200	1.10	61
05...	1200	1.01	34
06...	1200	.96	42
07...	1200	.93	34
08...	1200	.92	33
09...	1200	.98	36
09...	1615	.91	184
09...	1715	.92	161
09...	1815	.90	128
10...	1200	1.36	16
11...	1200	1.36	22
12...	1200	1.13	38
13...	1200	1.05	38

POTOMAC RIVER BASIN

01660500 BEAVERDAM RUN NEAR GARRISONVILLE, VA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	GAGE (FEET) (00065)	SEDIMENT, SUSPENDED (MG/L) (80154)
APR 1998			
14...	1200	1.00	39
15...	1200	.96	43
16...	1200	.94	75
17...	1200	1.12	142
18...	1200	1.01	124
19...	1200	.98	101
20...	1200	1.07	162
21...	0810	1.05	16
21...	0815	1.05	9
21...	0830	1.05	20
21...	1200	1.00	24
22...	1200	.97	96
23...	1200	.94	85
24...	1200	.91	99
25...	1200	.87	130
26...	1200	.86	171
27...	1200	.86	82
28...	1200	.82	19
29...	1200	.80	54
30...	1200	.81	43
MAY 1998			
01...	1200	.80	41
02...	1200	.98	69
03...	1200	1.13	25
04...	1200	1.17	37
05...	1200	1.12	25
06...	1200	1.13	28
07...	1200	1.04	50
08...	1200	1.20	50
09...	1200	1.24	24
10...	1200	1.16	19
11...	1200	1.08	17
12...	0845	1.18	17
12...	0850	1.18	9
12...	0855	1.18	15
12...	1200	1.18	20
13...	1200	1.17	19
14...	1200	1.09	8
15...	1200	1.03	19
16...	1200	.96	23
17...	1200	.92	33
18...	1200	.87	53
19...	1200	.83	40
20...	1200	.81	17
21...	1200	.80	32
22...	1200	.79	31
23...	1200	.76	32
24...	1200	.76	39
25...	1200	.82	55
26...	1200	.82	48
27...	1200	.80	59
28...	1200	.73	64
29...	1200	.74	94
30...	1200	.79	40
31...	1200	.79	59
JUN 1998			
01...	1200	.78	31
02...	1200	.78	52
03...	1200	.78	60
04...	1200	.78	38
05...	1200	.78	39
06...	1200	.78	51
07...	1200	.78	29
08...	1200	.78	31
09...	1200	.77	43
10...	1200	.90	72
11...	1200	.80	102
12...	1200	.80	68
13...	1200	.79	63
14...	1200	.79	89
15...	1200	.84	56

POTOMAC RIVER BASIN

01660500 BEAVERDAM RUN NEAR GARRISONVILLE, VA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	GAGE (FEET) (00065)	SEDIMENT, SUSPENDED (MG/L) (80154)
JUN 1998			
16...	1200	.92	23
17...	0815	1.03	25
17...	0820	1.03	17
17...	0825	1.03	24
17...	1200	.99	33
18...	1200	.93	95
19...	1200	.89	55
20...	1200	.87	36
21...	1200	.83	61
22...	1200	.80	62
23...	1200	.79	52
24...	1200	1.23	40
25...	1200	1.12	34
25...	1400	1.11	17
25...	2300	1.06	10
26...	0500	1.03	10
26...	1200	1.01	87
26...	1300	1.00	9
27...	1200	.93	14
28...	1200	.89	22
29...	1200	.88	31
30...	1200	.85	61
JUL 1998			
01...	1200	.83	29
02...	1200	.80	25
03...	1200	.78	37
04...	1200	.77	52
05...	1200	.78	51
06...	1200	.77	45
07...	1200	.78	29
08...	1200	.78	68
09...	1200	.78	50
10...	1200	.78	60
11...	1200	.78	88
12...	1200	.78	59
13...	1200	.77	76
14...	1200	.77	80
15...	1200	.77	61
16...	1200	.77	84
17...	1200	.77	180
18...	1200	.78	138
19...	1200	.78	97
20...	1200	.77	43
21...	0822	.82	28
21...	0825	.82	3
21...	0830	.82	11
21...	1200	.77	21
22...	1200	.77	88
23...	1200	.77	68
24...	1200	.76	52
25...	1200	.76	87
26...	1200	.76	88
27...	1200	.76	54
28...	1200	.78	54
29...	1200	.79	146
30...	1200	.77	61
31...	1200	.78	58
AUG 1998			
01...	1200	.77	54
02...	1200	.78	61
03...	1200	.78	50
04...	1200	.77	52
05...	1200	.77	36
06...	1200	.77	67
07...	1200	.77	58
08...	1200	.77	44
09...	1200	.78	55
10...	1200	.78	53
11...	1200	.77	66
12...	0810	.82	36
12...	0815	.82	7

POTOMAC RIVER BASIN

01660500 BEAVERDAM RUN NEAR GARRISONVILLE, VA--Continued
 WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	GAGE	SEDI-
		HEIGHT (FEET) (00065)	MENT, SUS- PENDED (MG/L) (80154)
AUG 1998			
12...	0820	.82	16
12...	1200	.77	27
13...	1200	.77	55
14...	1200	.77	65
15...	1200	.77	61
16...	1200	.77	57
17...	1200	.77	57
18...	1200	.78	106
19...	1200	.77	64
20...	1200	.77	76
21...	1200	.77	69
22...	1200	.77	119
23...	1200	.77	89
24...	1200	.77	77
25...	1200	.76	61
26...	1200	.77	88
27...	1200	.76	46
28...	1200	.77	42
29...	1200	.76	36
30...	1200	.78	38
31...	1200	.77	34
SEP 1998			
01...	1200	.77	26
02...	1200	.77	32
03...	1200	.77	32
04...	1200	.76	35
05...	1200	.78	39
06...	1200	.78	13
07...	1200	.77	39
15...	0855	1.78	25
15...	0900	1.78	8
15...	0905	1.78	8

POTOMAC RIVER BASIN

01660500 BEAVERDAM RUN NEAR GARRISONVILLE, VA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
	OCTOBER				NOVEMBER			DECEMBER	
1	1.8	4	.02	13	12	.44	7.2	18	.36
2	1.7	4	.02	9.0	6	.15	7.4	20	.40
3	2.3	3	.02	7.7	3	.06	7.6	17	.34
4	2.8	3	.02	7.6	7	.14	8.2	14	.31
5	2.8	4	.03	7.3	10	.19	8.4	16	.37
6	3.2	5	.04	e6.0	19	e.31	8.4	19	.44
7	3.1	4	.03	e29	81	e8.0	8.5	56	1.3
8	3.5	4	.04	18	58	2.8	6.7	26	.47
9	3.3	4	.04	13	28	1.0	7.1	12	.23
10	3.0	5	.04	11	11	.33	7.7	10	.21
11	3.2	4	.04	10	9	.26	7.2	11	.22
12	3.6	5	.05	10	25	.72	7.0	10	.19
13	3.6	3	.03	10	23	.66	6.9	10	.19
14	3.2	3	.03	13	19	.68	6.8	10	.19
15	3.2	2	.02	11	13	.38	6.6	11	.19
16	4.0	4	.05	10	15	.40	6.8	11	.20
17	5.6	8	.20	9.6	15	.39	7.5	11	.22
18	13	11	.52	9.3	17	.42	e6.8	9	e.17
19	3.6	10	.10	8.7	27	.65	5.9	7	.12
20	3.1	8	.06	8.8	12	.29	6.1	6	.10
21	2.9	8	.06	9.6	13	.34	6.1	7	.11
22	3.1	7	.05	12	16	.53	6.5	7	.12
23	3.1	8	.07	9.6	13	.35	6.9	5	.08
24	3.7	8	.08	8.4	10	.24	6.9	6	.12
25	7.9	9	.18	8.4	4	.09	12	10	.34
26	7.8	12	.26	8.8	25	.58	8.6	11	.25
27	7.5	12	.24	8.3	24	.54	8.8	8	.19
28	6.0	6	.09	8.6	23	.54	8.9	6	.15
29	7.3	5	.10	8.5	25	.58	8.0	5	.11
30	6.9	5	.09	8.6	24	.56	8.3	4	.09
31	7.2	6	.12	---	---	---	7.9	4	.08
TOTAL	137.0	---	2.74	312.8	---	22.62	233.7	---	7.86

	JANUARY			FEBRUARY			MARCH		
	1	2	3	4	5	6	7	8	9
1	7.0	3	.06	47	42	5.3	30	28	2.3
2	7.2	3	.06	36	28	2.8	28	26	2.0
3	7.2	4	.09	30	18	1.5	39	25	2.6
4	7.5	3	.07	97	32	11	35	21	1.9
5	7.2	4	.08	250	136	93	30	10	.83
6	7.2	4	.08	173	42	20	26	17	1.2
7	7.4	4	.07	117	38	12	23	24	1.5
8	7.8	3	.07	82	54	12	34	27	2.6
9	7.6	8	.16	58	51	8.0	74	29	5.5
10	7.2	7	.14	44	51	6.0	68	13	2.3
11	7.3	8	.16	36	85	8.2	50	20	2.8
12	7.2	8	.16	36	101	9.7	38	11	1.1
13	7.1	9	.18	30	91	7.5	30	18	1.5
14	7.2	15	.30	25	82	5.6	27	23	1.6
15	10	45	1.3	21	71	4.1	23	16	.98
16	13	40	1.4	19	46	2.4	19	18	.96
17	8.9	24	.59	55	84	19	18	14	.69
18	8.5	16	.37	146	73	29	28	15	1.2
19	8.5	16	.37	108	18	5.3	71	20	3.8
20	7.8	15	.31	76	15	3.0	75	21	4.9
21	7.4	63	1.2	58	20	3.1	177	66	35
22	e7.0	344	e6.6	43	20	2.3	131	19	7.0
23	e25	95	e6.8	57	33	5.7	91	13	3.1
24	20	110	6.2	110	21	6.1	65	11	1.9
25	23	181	11	86	15	3.4	48	11	1.5
26	23	20	1.3	60	13	2.2	38	22	2.2
27	24	182	13	46	14	1.8	31	28	2.3
28	127	285	85	37	25	2.5	28	24	1.8
29	144	43	18	---	---	---	24	20	1.3
30	98	15	3.9	---	---	---	21	26	1.4
31	67	13	2.3	---	---	---	19	28	1.4
TOTAL	724.2	---	161.32	1983	---	292.5	1439	---	101.16

e Estimated.

POTOMAC RIVER BASIN

01660500 BEAVERDAM RUN NEAR GARRISONVILLE, VA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
	APRIL				MAY			JUNE	
1	18	16	.77	17	33	1.9	8.2	23	.51
2	17	22	1.0	31	35	2.8	8.3	32	.71
3	15	18	.75	42	16	1.8	8.3	36	.81
4	26	32	2.5	46	18	2.3	8.3	27	.59
5	28	28	2.1	41	15	1.6	8.5	27	.61
6	23	29	1.8	40	16	1.7	8.5	31	.70
7	20	25	1.3	34	25	2.3	8.7	21	.49
8	18	23	1.1	49	38	5.2	8.1	22	.47
9	42	47	7.3	53	19	2.7	8.2	30	.67
10	64	18	3.1	43	11	1.3	13	48	1.7
11	51	15	2.0	36	9	.92	9.5	63	1.6
12	39	22	2.4	43	10	1.2	10	48	1.3
13	31	23	1.9	45	10	1.2	11	45	1.3
14	26	23	1.6	38	6	.62	9.8	55	1.5
15	24	27	1.7	31	10	.85	11	37	1.1
16	21	44	2.5	24	13	.88	19	18	.92
17	29	72	5.8	20	19	1.1	25	24	1.6
18	28	66	5.0	16	28	1.2	20	54	2.8
19	26	58	4.1	14	22	.83	16	38	1.7
20	33	59	5.3	12	12	.38	15	27	1.1
21	28	15	1.1	10	18	.49	11	37	1.1
22	24	41	2.6	9.5	19	.49	9.6	38	.99
23	21	44	2.5	8.3	20	.44	10	32	.87
24	19	51	2.6	8.4	24	.56	45	24	3.0
25	17	67	3.0	12	32	1.0	38	15	1.6
26	15	78	3.2	11	31	.89	27	6	.41
27	15	40	1.7	9.0	36	.88	20	8	.42
28	12	14	.46	5.6	42	.63	17	12	.55
29	11	24	.73	7.0	51	.94	16	17	.72
30	10	23	.66	9.3	29	.74	13	26	.93
31	---	---	---	8.6	33	.76	---	---	---
TOTAL	751	---	72.57	773.7	---	40.60	441.0	---	32.77

POTOMAC RIVER BASIN

01660500 BEAVERDAM RUN NEAR GARRISONVILLE, VA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
	JULY			AUGUST			SEPTEMBER		
1	12	15	.50	7.3	14	.28	7.2	15	.29
2	9.8	13	.34	7.2	15	.30	7.4	17	.35
3	8.6	17	.39	7.2	13	.26	7.4	18	.36
4	8.5	22	.51	7.1	13	.25	7.3	20	.40
5	8.8	22	.52	7.1	11	.22	7.3	23	.45
6	8.6	18	.43	7.0	17	.31	7.6	24	.48
7	8.5	14	.32	7.0	16	.30	7.5	24	.48
8	9.1	23	.56	7.2	13	.25	7.8	24	.50
9	8.8	20	.48	7.2	15	.30	7.6	29	.60
10	8.4	23	.51	7.3	16	.31	7.7	30	.63
11	8.5	27	.63	7.4	18	.35	7.4	34	.67
12	8.5	21	.48	7.3	10	.20	6.1	34	.55
13	8.3	23	.52	7.0	16	.30	5.9	25	.40
14	8.3	23	.51	7.1	20	.39	5.8	10	.15
15	8.3	18	.41	7.1	21	.40	5.8	17	.27
16	8.3	24	.55	7.1	20	.39	5.7	23	.36
17	8.5	41	.94	8.1	23	.51	5.5	26	.40
18	8.7	33	.77	8.3	34	.76	5.7	26	.41
19	8.7	21	.49	7.7	27	.56	5.9	22	.36
20	8.3	10	.22	7.7	29	.61	5.9	18	.28
21	7.9	6	.12	7.8	31	.64	5.7	21	.33
22	8.2	15	.33	7.6	45	.92	6.0	13	.20
23	8.3	14	.31	7.4	39	.78	5.7	13	.21
24	8.1	12	.26	7.2	34	.65	5.7	19	.29
25	8.0	18	.39	7.1	30	.58	5.9	23	.36
26	7.8	19	.39	7.2	36	.71	5.9	21	.33
27	7.6	13	.27	7.1	24	.45	6.0	23	.37
28	8.5	13	.30	7.0	21	.39	5.5	28	.42
29	8.1	14	.30	7.2	19	.36	5.5	27	.41
30	7.7	15	.31	7.4	19	.39	5.7	40	.61
31	8.2	14	.31	7.4	18	.35	---	---	---
TOTAL	263.9	---	13.37	226.8	---	13.47	192.1	---	11.92
YEAR	7478.2		772.90						